

Bug Burndown

Media Capture and Streams

Main classification

- Nits
 - No need to discuss. Just fix them.
 - Will not be mentioned here again.
- Not Specified
 - Needs to decide
- Works Wrong
 - Needs to be fixed, may need to discuss
 - May conclude that no change is needed
- Functional Extensions
 - Include in this version if required
 - Punt to later if not required

Not Specified

- How long do permissions persist? (22214)
- When does the light come on? (22337)
-

Works Wrong (?)

- get*Settings should be async (25707)
- If async, get*Settings should be queued (25708)
- ~~Permission prompt on no matching device (23934)~~

Functional Extensions

- “Ideal” or “tendentious limit values” (23820)
- VideoFacingMode “other” (25298)
- getCapabilities() with no track (25247)
- Event for when devices change (24015)
- Separate “get access” call (23128, closed as WONTFIX)

Rules of Engagement

- Time-box each bug
- Start the clock on each bug
- If, after 10 min, we don't have a consensus, spend 5 min deciding a "next action"
- Subject to change at WG consensus :-)

22214 How long do permissions persist?

- Spec requirements or UA recommendations?
- Scoped per origin, per page or “other”?
- Scoped to one device, all devices, or “either”?
- Non-permanent permissions:
 - Survive reload or not?
 - Survive navigating away or not?
- Revokable?
 - If so, what happens?

Suggestions from list: Advice, per origin, all devices, reload OK, navigate away not OK, revoke = ended

22337 When does the light come on?

- More general: UI elements to inform users
- Normative in spec or UI design advice?
- Indication that device has permissions or that it's actually recording?
 - Need to pick one, or perhaps two indicators
- Should we combat “camera flash”?
 - suggestion: Decay indicator rather than turn off

Suggested resolution: Design advice, encourage two indicators, note “camera flash” problem.

25707/25708 Async getSettings?

- Getting the information in Settings etc can take time.
- Either UA needs to prefetch & cache, or UA needs to query.
- If query, function should be async, and sequence of operations' effects should be well defined.

Suggested resolution: ????

23820 Special values in constraints

- Original suggestion: Specify “maximum” as a constraint value for a range-valued constraint
- Other suggestion: Specify third member (in addition to min/max called “ideal” to bias selection towards that alternative
- Both are attempts to bias, not constrain, the selection algorithm

25298 FacingMode value of “other”

- Situation 1: A direction not covered
- Situation 2: Direction is unknown
- Possible JS representations
 - Null value (useless for selection)
 - “unknown” (kind of odd for selection and case 1)
 - “other” (odd for selection, case 2)
- Extensibility is made complex by WebIDL rules for enum values (throws on unknown)

25247 GetCapabilities without a track

- Need: To know what's possible to ask for
 - UI adaptation before getUserMedia
 - avoid browser sniffing to achieve the same thing
- Possible solution: non-track getCapabilities method (static or attached to Navigator)
 - Worry: Fingerprinting
 - Unclear: What would be returned?

24015 Event to signal “devices have changed”

- Devices get plugged and unplugged
- Calling `getMediaDevices()` in a polling loop is inefficient and messy
- An event on device change would be better
 - What would it be fired at?
 - What would the event contain?
 - Is a callback better / as good?
 - Is it necessary?

23128 (closed): “get access” call

- Troubling: more and more pieces for which access restrictions are being described
- Troubling: getUserMedia has side effects
 - returning a stream!
- Separate concerns?
- Rejected for lack of support
 - People argued it was more complexity
- Revisit?

Default disposition: Leave closed

Other Issues

- Your issue here....